

SYNTHETIC GAS REACTOR SYSTEM
WITH GAS OR LIQUID INJECTION

ABSTRACT OF THE DISCLOSURE

5 A synthetic gas generator and gas reactor test
system. The system is configurable to provide a number
of alternative flow paths, each with different furnace
and reactor configurations. Various types of reactors,
and combinations of two or three reactors, may be
installed and tested. Injected agents, such as reducing
agents, are injected in a manner that prevents unwanted
reactions with the test gas. The system is especially
10 useful for testing vehicle emissions aftertreatment
devices.